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Water Analysis

Location: Mountaineer Plant Report Date: 3/28/2012

1st Stage Feed

Sample Number: 121097-001 Date Collected: 03/07/2012 07:30 Date Received: 3/7/2012

Parameter	Result Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Arsenic, As	25.1 ug/L		0.1	0.03	DPC	03/20/2012 13:58	EPA 200.8
Beryllium, Be	< 0.100 ug/L	U	0.5	0.1	DAM	03/19/2012 14:54	EPA 200.7
Selenium, Se	353 ug/L		0.5	0.1	DPC	03/20/2012 13:58	EPA 200.8
Aluminum, Al	0.260 mg/L		0.01	0.002	DAM	03/19/2012 14:55	EPA 200.7
Boron, B	110 mg/L		0.01	0.002	DAM	03/19/2012 14:54	EPA 200.7
Iron, Fe	0.459 mg/L		0.01	0.002	DAM	03/19/2012 14:54	EPA 200.7
Total Kjeldahl Nitrogen, TKN as N	4.01 mg/L		0.5	0.1	DPC	03/21/2012	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	13.5 mg/L		0.2	0.04	DMM	03/08/2012 08:00	SM20 4500NO3 H
Phosphorus, Total, P	0.252 mg/L		0.05	0.01	DPC	03/21/2012	EPA 365.4
Sulfate, SO4	5720 mg/L		600	100	KLG	03/14/2012	EPA 300.1

2nd Stage Feed

Sample Number: 121097-002 Date Collected: 03/07/2012 07:30 Date Received: 3/7/2012

Parameter	Result Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Selenium, Se	11.5 ug/L		0.5	0.1	DPC	03/20/2012 14:03	EPA 200.8

Bioreactor Effluent

Sample Number: 121097-003 Date Collected: 03/07/2012 07:35 Date Received: 3/7/2012

Parameter	Result Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
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Arsenic, As	1.63 ug/L		0.1	0.03	DPC	03/20/2012 14:08	EPA 200.8
Beryllium, Be	< 0.100 ug/L	U	0.5	0.1	DAM	03/19/2012 15:02	EPA 200.7
Selenium, Se	2.27 ug/L		0.5	0.1	DPC	03/20/2012 14:08	EPA 200.8
Aluminum, Al	0.945 mg/L		0.01	0.002	DAM	03/19/2012 15:02	EPA 200.7
Boron, B	112 mg/L		0.01	0.002	DAM	03/19/2012 15:02	EPA 200.7
Iron, Fe	3.36 mg/L		0.01	0.002	DAM	03/19/2012 15:02	EPA 200.7
Total Kjeldahl Nitrogen, TKN as N	< 0.100 mg/L	U	0.5	0.1	DPC	03/21/2012	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	< 0.0400 mg/L	U	0.2	0.04	DMM	03/08/2012 08:00	SM20 4500NO3 H
Phosphorus, Total, P	0.140 mg/L		0.05	0.01	DPC	03/21/2012	EPA 365.4
Sulfate, SO4	5900 mg/L		600	100	KLG	03/14/2012	EPA 300.1

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- U: Analyte was analyzed and not detected at or above adjusted Method Detection Limit
- J: Analyte was positively identified, though the quantitation was below Reporting Limit.

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THIS TEST REPORT RELATES ONLY TO THE ITEMS TESTED AND SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF THE LABORATORY. ALL TEST RESULTS MEET ALL OF THE REQUIREMENTS OF THE ACCREDITING AUTHORITY, UNLESS OTHERWISE NOTED.